

Title (en)
TEMPERATURE SENSITIVE dtsR GENES

Title (de)
TEMPERATUR-EMPFINDLICHE dtsR GENE

Title (fr)
GENES DTSR SENSIBLES A LA TEMPERATURE

Publication
EP 1002866 A4 20030108 (EN)

Application
EP 98929834 A 19980703

Priority
• JP 9803017 W 19980703
• JP 18417697 A 19970709

Abstract (en)
[origin: EP1002866A1] DNAs encoding the following proteins (A) or (B) which participate in the temperature sensitivity to surfactants of corynebacteria: (A) a protein having the amino acid sequence represented by SEQ ID NO:2 or a protein having the amino acid sequence represented by SEQ ID NO:2 wherein Leu at the 139-position is substituted by another amino acid residue excluding Pro and having a temperature sensitive DTSR activity; and (B) proteins derived from the above proteins (A) by substitution, deletion, insertion, addition or inversion of one or several amino acid residues except the one at the 139-position in the amino acid sequence represented by SEQ ID NO:2 and having the temperature sensitive DTSR activity.

IPC 1-7
C12N 15/31; **C12N 1/21**; **C12P 13/08**; **C12P 13/14**; **C12N 9/00**

IPC 8 full level
C07K 14/345 (2006.01); **C12N 1/21** (2006.01); **C12N 15/31** (2006.01); **C12P 13/08** (2006.01); **C12P 13/14** (2006.01)

CPC (source: EP)
C07K 14/345 (2013.01); **C12P 13/08** (2013.01); **C12P 13/14** (2013.01)

Citation (search report)
• [X] EP 0780477 A1 19970625 - AJINOMOTO KK [JP]
• [X] EP 0054311 A2 19820623 - KYOWA HAKKO KOGYO KK [JP]
• [T] KIMURA E ET AL: "A dtsR gene-disrupted mutant of Brevibacterium lactofermentum requires fatty acids for growth and efficiently produces L-glutamate in the presence of an excess of biotin.", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. UNITED STATES 8 MAY 1997, vol. 234, no. 1, 8 May 1997 (1997-05-08), pages 157 - 161, XP002219155, ISSN: 0006-291X
• See references of WO 9902692A1

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EP 1002866 A1 20000524; **EP 1002866 A4 20030108**; **EP 1002866 B1 20051012**; AU 732093 B2 20010412; AU 7937498 A 19990208; BR 9810990 A 20000808; CN 1237174 C 20060118; CN 1265702 A 20000906; DE 69835955 D1 20061102; ID 24444 A 20000720; JP 4495788 B2 20100707; MY 125880 A 20060830; PE 20000177 A1 20000229; PL 337998 A1 20000925; WO 9902692 A1 19990121

DOCDB simple family (application)
EP 98929834 A 19980703; AU 7937498 A 19980703; BR 9810990 A 19980703; CN 98807041 A 19980703; DE 69835955 T 19980703; ID 20000163 A 19980703; JP 50843399 A 19980703; JP 9803017 W 19980703; MY PI9803101 A 19980708; PE 00060598 A 19980709; PL 33799898 A 19980703